EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	81	("3628532" | "3683913" | "3809085" | "3830238" | "4015603" | "4018224" | "4105031" | "4112948" | "4137940" | "4299222" | "4398910" | "4692153" | "4710165" | "4756501" | "4784642" | "4883474" | "4941469" | "4955873" | "4955874" | "5044362" | "5045075" | "5141503" | "5211171" | "5300050" | "5318510" | "5360414" | "5370610" | "5458567" | "5484401" | "5507734" | "5578006" | "5588167" | "5807313" | "6017493" | "6299593" | "6352525" | "6638253").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/05 08:14
S2	2	"20060122575"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/05 08:18
S3	146	604/541.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/05 08:22
S4	22000872	604/541.ccls. @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/05 08:22

S5	74	604/541.ccls. @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 09:08
S6	2	"5360414".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 08:42
S7	2	"6638253".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 08:43
S8	2	"6017493".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 08:44
S9	2	"6352525".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 08:44
S10	43931	604/541.ccls. @ay< "2002" torr or mmhg	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 09:09

S11	2	604/541.ccls. @ay< "2002" (torr or mmhg)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 09:09
S12	0	604/19,48,93.01-, "164"".""04,264,268,314,322".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/11 13:32
S13	4383	604/19,48,93.01,164.04,264,268,314,322.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/11 13:32
S14	792	drainage device, chest tube, vacuum, chest	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/11 13:33
S15	449	"604/540".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/11 13:34
S16	11	((AKIO) near2 (WAKABAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/11 13:34
S17	2	"US 20060122575"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/11 13:34
S18	150	"604/541".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/11 13:35
S19	784	"604/35".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/11 13:35

S20	17	drainage device, chest tube, vacuum, chest torr	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/12 08:24
S21	4	("4182343" | "4555242").PN. OR ("6299593").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 08:31
S22	192	("0765746" | "0843674" | "1355679" | "1355846" | "1385346" | "20010029956" | "20020143286" | "20020161346" | "20030050594" | "20040039415" | "2232254" | "2280915" | "2338339" | "2547758" | "2969057" | "3026526" | "3026874" | "3042041" | "3367332" | "3478736" | "3481326" | "3486504" | "3520300" | "3568675" | "3610238" | "3648692" | "3682180" | "3809087" | "3874687" | "3896810" | "3908664" | "3954105" | "3993080" | "4080970" | "4096853" | "4112947" | "4139004" | "4149541" | "4165748" | "4169563" | "4172455" | "4182343" | "4224945" | "4250882" | "4261363" | "4275721" | "4297995" | "4333468" | "4373519" | "4382441" | "4392853" | "4419097" | "4468227" | "4469092" | "4475909" | "4480638" | "4525166" | "4527064" | "4533352" | "4543100" | "4551139" | "4553967" | "4569348" | "4573965" | "4605399" | "4608041" | "4624656" | "4640688" | "4733659" | "4743232" | "4759354" | "4764167" | "4765316" | "4775909" | "4778456" | "4813094" | "4820265" | "4820284" | "4834110" | "4836192" | "4838883" | "4840187" | "4851545" | "4863449" | "4872450" | "4878901" | "4897081" | "4906233" | "4906240" | "4917112" | "4919654" | "4921492" | "4925447" | "4931519" | "4936834" | "4941882" | "4953565" | "4969880" | "4969881" | "4985019" | "5035884" | "5037397" | "5045075" | "5086764" | "5100396" | "5106362" | "5113871" | "5149331" | "5228431" | "5240862" | "5261893" | "5279010" | "5298015" | "5358494" | "5370610" | "5527293" | "5540412" | "5549584" | "5618275" | "5624419" | "5636643" | "5643229" | "5645081").PN. OR ("5656588" | "5664270" | "5678564" |	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 08:36

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S23	59	("0545102" | "1131349" | "1191736" | "1215512" | "1740174" | "2560915" | "2667682" | "2930378" | "3421510" | "3675639" | "3810471" | "4274417" | "4382442" | "4508533" | "4573965" | "4693257" | "4723955" | "4735606" | "4744364" | "4796637" | "4852568" | "4917667" | "5029580" | "5073164" | "5108364").PN. OR ("5370610").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 08:55
S24	79	("0517274" | "0906711" | "1114268" | "1178898" | "1188180" | "1987907" | "2043630" | "2199844" | "2361908" | "2449497" | "2614563" | "2804075" | "3019447" | "3065749" | "3394705" | "3430631" | "3735751" | "3993080" | "4002170" | "4068664" | "4182385" | "4400168" | "4402684" | "4447226" | "4451257" | "4468216" | "4508533" | "4512765" | "4634435" | "4662871" | "4692140" | "4708717" | "4759349" | "4787894" | "4857047" | "4915691" | "4964849" | "4993941" | "5061180" | "5125902" | "5141503" | "5167622" | "5197949" | "5203769" | "5221255" | "5224940" | "5242386" | "5248297" | "5306237" | "5310406" | "5370610" | "5374245" | "5380245" | "5395315" | "5462528" | "5464390" | "5496290" | "5499970" | "5527276" | "5562640" | "5616121" | "5795324").PN. OR ("6878142").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 08:58

S25	79	("2230218" | "2470665" | "2568566" | "2614563" | "2727678" | "3066672" | "3085573" | "3142298" | "3208145" | "3375828" | "3395705" | "3416532" | "3626928" | "3628532" | "3749090" | "3810471" | "3889675" | "3982540" | "4036210" | "4049000" | "4300550" | "4363321" | "4372336" | "4382442").PN. OR ("4735606").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:00
S26	15	("3640281" | "3680562" | "3840008" | "4167939" | "4291694" | "4684369" | "Re31855").PN. OR ("4936834"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:14
S27	57	("2930378" | "4084606" | "4294251").PN. OR ("4573965"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:18
S28	52	("1245845" | "2074223" | "3115138" | "3291151" | "3398743" | "3572340" | "3592365" | "3774611" | "3779243" | "3782384" | "3809086").PN. OR ("4112947"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:44
S29	29	("3125095" | "3407817" | "3905361" | "3908664").PN. OR ("3993080").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:49
S30	61	("2712950" | "3090396" | "3159378" | "3426759" | "3929126" | "3950014" | "4134573" | "4193406" | "4212300").PN. OR ("4451257").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 10:49
S31	18	("3142298").URPN.	USPAT	OR	OFF	2008/04/12 11:14
S32	42	("3142298" | "3812855" | "3882861" | "3918453" | "4180074" | "4261360" | "4443218" | "4444545" | "4468219").PN. OR ("4710165").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 11:20
S33	42	("3142298" | "3812855" | "3882861" | "3918453" | "4180074" | "4261360" | "4443218" | "4444545" | "4468219").PN. OR ("4710165").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 11:39

S34	81	(US-20070135795-$ or US-20060122575-$ or US-20040073154-$ or US-20020082587-$ or US-20020058915-$ or US-20030050594-$ or US-20020161346-$ or US-20020143286-$ or US-20010029956-$).did. or (US-6543452-$ or US-5527276-$ or US-4692153-$ or US-4317452-$ or US-5360414-$ or US-6638253-$ or US-6017493-$ or US-6352525-$ or US-5429601-$ or US-6299593-$ or US-6979324-$ or US-6641575-$ or US-6626891-$ or US-6620132-$ or US-4182343-$ or US-5370610-$ or US-6989016-$ or US-6878142-$ or US-4735606-$ or US-4936834-$ or US-4820284-$ or US-4573965-$ or US-4112947-$ or US-3993080-$ or US-7141045-$ or US-3908664-$).did. or (US-3520300-$ or US-5800408-$ or US-5108364-$ or US-4917667-$ or US-4508533-$ or US-4382442-$ or US-3810471-$ or US-3421510-$ or US-2930378-$ or US-1740174-$ or US-6849061-$ or US-5980483-$ or US-D303840-$ or US-4421505-$ or US-4398910-$ or US-D248969-$ or US-5380245-$ or US-5221255-$ or US-5203769-$ or US-5141503-$ or US-4451257-$ or US-4182385-$ or US-4068664-$ or US-2614563-$ or US-1188180-$ or US-5738656-$ or US-5417664-$).did. or (US-3416532-$ or US-4291694-$ or US-3680562-$ or US-5100395-$ or US-5223228-$ or US-5149325-$ or US-7338482-$ or US-5186714-$ or US-4710165-$ or US-7335334-$ or US-7214202-$ or US-7204958-$ or US-7201870-$ or US-7198751-$ or US-6648862-$ or US-5419768-$ or US-4180074-$).did. or (US-3142298-$ or US-2930378-$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 13:45
S35	9	S34 tube hole hg	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/12 13:46
S36	3	S34 tube hole near20 tissue	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/12 14:26

S37	337	"604/48".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/13 05:36
S38	3	"US 6299593"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/13 05:37
S39	81	(US-20070135795-$ or US-20060122575-$ or US-20040073154-$ or US-20020082587-$ or US-20020058915-$ or US-20030050594-$ or US-20020161346-$ or US-20020143286-$ or US-20010029956-$).did. or (US-6543452-$ or US-5527276-$ or US-4692153-$ or US-4317452-$ or US-5360414-$ or US-6638253-$ or US-6017493-$ or US-6352525-$ or US-5429601-$ or US-6299593-$ or US-6979324-$ or US-6641575-$ or US-6626891-$ or US-6620132-$ or US-4182343-$ or US-5370610-$ or US-6989016-$ or US-6878142-$ or US-4735606-$ or US-4936834-$ or US-4820284-$ or US-4573965-$ or US-4112947-$ or US-3993080-$ or US-7141045-$ or US-3908664-$).did. or (US-3520300-$ or US-5800408-$ or US-5108364-$ or US-4917667-$ or US-4508533-$ or US-4382442-$ or US-3810471-$ or US-3421510-$ or US-2930378-$ or US-1740174-$ or US-6849061-$ or US-5980483-$ or US-D303840-$ or US-4421505-$ or US-4398910-$ or US-D248969-$ or US-5380245-$ or US-5221255-$ or US-5203769-$ or US-5141503-$ or US-4451257-$ or US-4182385-$ or US-4068664-$ or US-2614563-$ or US-1188180-$ or US-5738656-$ or US-5417664-$).did. or (US-3416532-$ or US-4291694-$ or US-3680562-$ or US-5100395-$ or US-5223228-$ or US-5149325-$ or US-7338482-$ or US-5186714-$ or US-4710165-$ or US-7335334-$ or US-7214202-$ or US-7204958-$ or US-7201870-$ or US-7198751-$ or US-6648862-$ or US-5419768-$ or US-4180074-$).did. or (US-3142298-$ or US-2930378-$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/13 06:05
S40	14	(US-20060122575-$ or US-20070135795-$ or US-20040073154-$ or US-20020082587-$ or US-20020058915-$).did. or (US-6638253-$ or US-6352525-$ or US-6017493-$ or US-5360414-$ or US-4692153-$ or US-6543452-$ or US-5527276-$ or US-5429601-$ or US-4317452-$).did.	US-PGPUB; USPAT	OR	OFF	2008/04/13 06:06

S41	14	S40 S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 06:06
S42	81	(US-20070135795-$ or US-20060122575-$ or US-20040073154-$ or US-20020082587-$ or US-20020058915-$ or US-20030050594-$ or US-20020161346-$ or US-20020143286-$ or US-20010029956-$).did. or (US-6543452-$ or US-5527276-$ or US-4692153-$ or US-4317452-$ or US-5360414-$ or US-6638253-$ or US-6017493-$ or US-6352525-$ or US-5429601-$ or US-6299593-$ or US-6979324-$ or US-6641575-$ or US-6626891-$ or US-6620132-$ or US-4182343-$ or US-5370610-$ or US-6989016-$ or US-6878142-$ or US-4735606-$ or US-4936834-$ or US-4820284-$ or US-4573965-$ or US-4112947-$ or US-3993080-$ or US-7141045-$ or US-3908664-$).did. or (US-3520300-$ or US-5800408-$ or US-5108364-$ or US-4917667-$ or US-4508533-$ or US-4382442-$ or US-3810471-$ or US-3421510-$ or US-2930378-$ or US-1740174-$ or US-6849061-$ or US-5980483-$ or US-D303840-$ or US-4421505-$ or US-4398910-$ or US-D248969-$ or US-5380245-$ or US-5221255-$ or US-5203769-$ or US-5141503-$ or US-4451257-$ or US-4182385-$ or US-4068664-$ or US-2614563-$ or US-1188180-$ or US-5738656-$ or US-5417664-$).did. or (US-3416532-$ or US-4291694-$ or US-3680562-$ or US-5100395-$ or US-5223228-$ or US-5149325-$ or US-7338482-$ or US-5186714-$ or US-4710165-$ or US-7335334-$ or US-7214202-$ or US-7204958-$ or US-7201870-$ or US-7198751-$ or US-6648862-$ or US-5419768-$ or US-4180074-$).did. or (US-3142298-$ or US-2930378-$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/13 06:31
S43	0	S42 tube hole near20 damage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 06:31

S44	1	S42 tube hole near20 injury	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 06:32
S45	6	S42 tube hole near20 suction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 06:32
S46	47	S42 tube (drain$4 or hole) near10 (pressure or vacuum or suction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 06:46
S47	16	S42 tube (drain$4 or hole) near10 (pressure or vacuum or suction) (torr or hg)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 06:47
S48	5	S42 tube (drain$4 or hole) near10 (pressure or vacuum or suction) (torr or hg) tissue near20 (injury or damage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:07
S49	1	S42 tube (drain$4 or hole) near10 (pressure or vacuum or suction) (torr or hg) tissue near20 (injury or damage) hole near5 size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:16

S50	3	S42 (drain$4 or hole) near10 (pressure or vacuum or suction) tissue near20 (injury or damage) hole near5 size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:17
S51	0	S42 (injury or damage) near20 hole near5 size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:26
S52	1	S42 (injury or damage) near20 hole hole near5 size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:27
S53	2613	(injury or damage) near20 hole hole near5 size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:27
S54	216	(drain$4 or hole) near10 (pressure or vacuum or suction) tissue near20 (injury or damage) hole near5 size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:27
S55	117	(drain$4 or hole) near10 (pressure or vacuum or suction) tissue near20 (injury or damage) hole near5 size @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:28

S56	105	tube (drain$4 or hole) near10 (pressure or vacuum or suction) tissue near20 (injury or damage) hole near5 size @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:28
S57	1	tube near20 hole with (pressure or vacuum or suction) (injury or damage or harm$5) with (hole near5 size) @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:44
S58	988	tube with hole with (size or diameter) with (vacuum or pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/13 07:48
S59	24351377	tube with hole with (size or diameter) with (vacuum or pressure) @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/13 07:49
S60	499	tube with hole with (size or diameter) with (vacuum or pressure) @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 07:49
S61	878	tube with hole with (size or diameter) with (vacuum or pressure) @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:49

S62	3	tube with hole with (size or diameter) with (vacuum or pressure) with (injury or damage or harm) @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:51
S63	7	tube with hole with (size or diameter) with (vacuum or pressure) with (injury or damage or harm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:52
S64	154	tube with hole with (size or diameter) same (vacuum or pressure) same (injury or damage or harm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:54
S65	41	tube with hole with (size or diameter) with (vacuum or pressure) same (injury or damage or harm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:54
S66	14	tube with hole with (size or diameter) with (vacuum or pressure) same (injury or damage or harm) @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:54
S67	37	tube with hole with (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:56

S68	165	tube same hole same (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:58
S69	17	tube same hole same (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002" human	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:59
S70	55	tube same (hole or open$5 or orifice) same (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002" human	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 08:22
S71	38	tube same (hole or open$5 or orifice) same (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002" human not S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 08:23
S72	23	("0340739" | "4072153" | "4227533" | "4257422" | "4573965" | "4579120" | "4579555" | "4838881" | "4919167" | "4925452").PN. OR ("5100395").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/13 17:22
S73	86	("3628532" | "3683913" | "3809085" | "3830238" | "4015603" | "4018224" | "4105031" | "4112948" | "4137940" | "4299222" | "4398910" | "4692153" | "4710165" | "4756501" | "4784642" | "4883474" | "4941469" | "4955873" | "4955874" | "5044362" | "5045075" | "5141503" | "5211171" | "5300050" | "5318510" | "5360414" | "5370610" | "5458567" | "5484401" | "5507734" | "5578006" | "5588167" | "5807313" | "6017493" | "6299593" | "6352525" | "6638253").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/22 09:12

S74	161	604/541.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/22 09:12
S75	49272	604/541.ccls. @ay< "2002" torr or mmhg	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:12
S76	847	drainage device, chest tube, vacuum, chest	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:12
S77	12	((AKIO) near2 (WAKABAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/22 09:12
S78	161	"604/541".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/22 09:12
S79	814	"604/35".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/22 09:12
S80	3337771	S73 S74 S75 s11s13 S77 S76 S78 S79 "37"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/22 09:12
S81	359	"604/48".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/22 09:12

S82	51322	S73 S74 S75 s11s13 S77 S76 S78 S79 S81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/22 09:12
S83	7155	S82 vacuum near5 (mmHg or torr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:13
S84	4486	S82 vacuum near5 (mmHg or torr) @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:13
S85	414	S82 vacuum near5 (mmHg or torr) @ay< "2002" medical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:14
S86	43	S82 high near vacuum near5 (mmHg or torr) @ay< "2002" medical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:14
S87	2	604/541.ccls. @ay< "2002" (torr or mmhg)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/28 08:21

S88	19	604/541.ccls. @ay< "2002" (torr or mmhg or vacuum with pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/28 08:22
S89	6	604/542.ccls. @ay< "2002" (torr or mmhg or vacuum with pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/28 08:22
S90	19	604/541.ccls. @ay< "2002" (torr or mmhg or (vacuum with pressure))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/28 08:43
S91	87	("3628532" | "3683913" | "3809085" | "3830238" | "4015603" | "4018224" | "4105031" | "4112948" | "4137940" | "4299222" | "4398910" | "4692153" | "4710165" | "4756501" | "4784642" | "4883474" | "4941469" | "4955873" | "4955874" | "5044362" | "5045075" | "5141503" | "5211171" | "5300050" | "5318510" | "5360414" | "5370610" | "5458567" | "5484401" | "5507734" | "5578006" | "5588167" | "5807313" | "6017493" | "6299593" | "6352525" | "6638253").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/28 09:07
S92	13	((AKIO) near2 (WAKABAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/28 09:08
S93	4826	604/19,48,93.01,164.04,264,268,314,322.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/28 09:08
S94	172	"604/541".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/28 09:08

S95	62	"604/542".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/28 09:08
S96	77	(US-20020161346-$ or US-20010029956-$ or US-20040078026-$ or US-20040230118-$).did. or (US-6299593-$ or US-6979324-$ or US-6641575-$ or US-6626891-$ or US-6620132-$ or US-4182343-$ or US-5370610-$ or US-6989016-$ or US-6878142-$ or US-4735606-$ or US-4936834-$ or US-4820284-$ or US-4573965-$ or US-4112947-$ or US-3993080-$ or US-7141045-$ or US-3908664-$ or US-3520300-$ or US-5800408-$ or US-5108364-$ or US-4917667-$ or US-4508533-$ or US-4382442-$ or US-3810471-$ or US-3421510-$ or US-2930378-$).did. or (US-1740174-$ or US-6849061-$ or US-5980483-$ or US-D303840-$ or US-4421505-$ or US-4398910-$ or US-D248969-$ or US-5380245-$ or US-5221255-$ or US-5203769-$ or US-5141503-$ or US-4451257-$ or US-4182385-$ or US-4068664-$ or US-2614563-$ or US-1188180-$ or US-5738656-$ or US-5417664-$ or US-3416532-$ or US-4291694-$ or US-3680562-$ or US-5100395-$ or US-5223228-$ or US-5149325-$ or US-7338482-$ or US-5186714-$ or US-4710165-$).did. or (US-7335334-$ or US-7214202-$ or US-7204958-$ or US-7201870-$ or US-7198751-$ or US-6648862-$ or US-5419768-$ or US-4180074-$ or US-6245045-$ or US-3384089-$ or US-5891111-$ or US-5989211-$ or US-5254084-$ or US-4925452-$ or US-4072153-$ or US-0340739-$ or US-4317452-$ or US-5429601-$).did. or (US-3142298-$ or US-2930378-$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/28 09:09
S97	5166	S91 S92 S93 S94 S95 S96	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/28 09:14

S98	83435	@ay< "2002" (torr or mmhg or cmh2o) with (vacuum or pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/28 09:16
S99	45	S97 S98	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/28 09:16
S100	259	("1188180" | "1740174" | "2614563" | "2930378" | "20010029956" | "20020058915" | "20020082587" | "20020161346" | "20040073154" | "20060122575" | "20070135795" | "3142298" | "3416532" | "3421510" | "3520300" | "3628532" | "3680562" | "3683913" | "3809085" | "3810471" | "3830238" | "3908664" | "3993080" | "4015603" | "4018224" | "4068664" | "4105031" | "4112947" | "4112948" | "4137940" | "4180074" | "4182343" | "4182385" | "4291694" | "4299222" | "4317452" | "4382442" | "4398910" | "4398910" | "4421505" | "4451257" | "4508533" | "4573965" | "4692153" | "4692153" | "4710165" | "4710165" | "4735606" | "4756501" | "4784642" | "4820284" | "4883474" | "4917667" | "4936834" | "4941469" | "4955873" | "4955874" | "5044362" | "5045075" | "5100395" | "5108364" | "5141503" | "5141503" | "5149325" | "5186714" | "5203769" | "5211171" | "5221255" | "5223228" | "5300050" | "5318510" | "5360414" | "5360414" | "5370610" | "5370610" | "5380245" | "5417664" | "5419768" | "5429601" | "5458567" | "5484401" | "5507734" | "5527276" | "5578006" | "5588167" | "5738656" | "5800408" | "5807313" | "5980483" | "6017493" | "6017493" | "6299593" | "6352525" | "6543452" | "6620132" | "6626891" | "6638253" | "6638253" | "6641575" | "6648862" | "6849061" | "6878142" | "6979324" | "6989016" | "7141045" | "7198751" | "7201870" | "7204958" | "7214202" | "7335334" |	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/28 09:58

		"7338482" | "D248969" | "D303840").PN.				
S101	2160	@ay< "2002" vacuum force newton	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/29 07:55
S102	87	("3628532" | "3683913" | "3809085" | "3830238" | "4015603" | "4018224" | "4105031" | "4112948" | "4137940" | "4299222" | "4398910" | "4692153" | "4710165" | "4756501" | "4784642" | "4883474" | "4941469" | "4955873" | "4955874" | "5044362" | "5045075" | "5141503" | "5211171" | "5300050" | "5318510" | "5360414" | "5370610" | "5458567" | "5484401" | "5507734" | "5578006" | "5588167" | "5807313" | "6017493" | "6299593" | "6352525" | "6638253").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/29 07:55
S103	13	((AKIO) near2 (WAKABAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 07:55
S104	4832	604/19,48,93.01,164.04,264,268,314,322.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/29 07:55
S105	172	"604/541".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 07:55
S106	62	"604/542".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 07:55

S107	77	(US-20020161346-$ or US-20010029956-$ or US-20040078026-$ or US-20040230118-$).did. or (US-6299593-$ or US-6979324-$ or US-6641575-$ or US-6626891-$ or US-6620132-$ or US-4182343-$ or US-5370610-$ or US-6989016-$ or US-6878142-$ or US-4735606-$ or US-4936834-$ or US-4820284-$ or US-4573965-$ or US-4112947-$ or US-3993080-$ or US-7141045-$ or US-3908664-$ or US-3520300-$ or US-5800408-$ or US-5108364-$ or US-4917667-$ or US-4508533-$ or US-4382442-$ or US-3810471-$ or US-3421510-$ or US-2930378-$).did. or (US-1740174-$ or US-6849061-$ or US-5980483-$ or US-D303840-$ or US-4421505-$ or US-4398910-$ or US-D248969-$ or US-5380245-$ or US-5221255-$ or US-5203769-$ or US-5141503-$ or US-4451257-$ or US-4182385-$ or US-4068664-$ or US-2614563-$ or US-1188180-$ or US-5738656-$ or US-5417664-$ or US-3416532-$ or US-4291694-$ or US-3680562-$ or US-5100395-$ or US-5223228-$ or US-5149325-$ or US-7338482-$ or US-5186714-$ or US-4710165-$).did. or (US-7335334-$ or US-7214202-$ or US-7204958-$ or US-7201870-$ or US-7198751-$ or US-6648862-$ or US-5419768-$ or US-4180074-$ or US-6245045-$ or US-3384089-$ or US-5891111-$ or US-5989211-$ or US-5254084-$ or US-4925452-$ or US-4072153-$ or US-0340739-$ or US-4317452-$ or US-5429601-$).did. or (US-3142298-$ or US-2930378-$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 07:55
S108	5172	S102 S103 S104 S105 S106 S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/29 07:55
S109	2	S101 S108	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/29 07:55

S110	146787	@ay< "2002" vacuum force	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/29 07:57
S111	25419	@ay< "2002" vacuum with force	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/29 07:57
S112	49	S111 S108	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/29 07:57
S113	30	("3572315" | "3981297" | "3983864" | "4221567" | "4265249" | "4560472" | "4633878").PN. OR ("4854322"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 09:01
S114	80	(US-20020161346-$ or US-20010029956-$ or US-20040078026-$ or US-20040230118-$).did. or (US-6299593-$ or US-6979324-$ or US-6641575-$ or US-6626891-$ or US-6620132-$ or US-4182343-$ or US-5370610-$ or US-6989016-$ or US-6878142-$ or US-4735606-$ or US-4936834-$ or US-4820284-$ or US-4573965-$ or US-4112947-$ or US-3993080-$ or US-7141045-$ or US-3908664-$ or US-3520300-$ or US-5800408-$ or US-5108364-$ or US-4917667-$ or US-4508533-$ or US-4382442-$ or US-3810471-$ or US-3421510-$ or US-2930378-$).did. or (US-1740174-$ or US-6849061-$ or US-5980483-$ or US-D303840-$ or US-4421505-$ or US-4398910-$ or US-D248969-$ or US-5380245-$ or US-5221255-$ or US-5203769-$ or US-5141503-$ or US-4451257-$ or US-4182385-$ or US-4068664-$ or US-2614563-$ or US-1188180-$ or US-5738656-$ or US-5417664-$ or US-3416532-$ or US-4291694-$ or US-3680562-$ or US-5100395-$ or US-5223228-$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 11:11

		5149325-$ or US-7338482-$ or US-5186714-$ or US-4710165-$).did. or (US-7335334-$ or US-7214202-$ or US-7204958-$ or US-7201870-$ or US-7198751-$ or US-6648862-$ or US-5419768-$ or US-4180074-$ or US-6245045-$ or US-3384089-$ or US-5891111-$ or US-5989211-$ or US-5254084-$ or US-4925452-$ or US-4072153-$ or US-0340739-$ or US-4317452-$ or US-5429601-$ or US-5002054-$ or US-6352525-$ or US-4854322-$).did. or (US-3142298-$ or US-2930378-$).did.				
S115	77	(US-20020161346-$ or US-20010029956-$ or US-20040078026-$ or US-20040230118-$).did. or (US-6299593-$ or US-6979324-$ or US-6641575-$ or US-6626891-$ or US-6620132-$ or US-4182343-$ or US-5370610-$ or US-6989016-$ or US-6878142-$ or US-4735606-$ or US-4936834-$ or US-4820284-$ or US-4573965-$ or US-4112947-$ or US-3993080-$ or US-7141045-$ or US-3908664-$ or US-3520300-$ or US-5800408-$ or US-5108364-$ or US-4917667-$ or US-4508533-$ or US-4382442-$ or US-3810471-$ or US-3421510-$ or US-2930378-$).did. or (US-1740174-$ or US-6849061-$ or US-5980483-$ or US-D303840-$ or US-4421505-$ or US-4398910-$ or US-D248969-$ or US-5380245-$ or US-5221255-$ or US-5203769-$ or US-5141503-$ or US-4451257-$ or US-4182385-$ or US-4068664-$ or US-2614563-$ or US-1188180-$ or US-5738656-$ or US-5417664-$ or US-3416532-$ or US-4291694-$ or US-3680562-$ or US-5100395-$ or US-5223228-$ or US-5149325-$ or US-7338482-$ or US-5186714-$ or US-4710165-$).did. or (US-7335334-$ or US-7214202-$ or US-7204958-$ or US-7201870-$ or US-7198751-$ or US-6648862-$ or US-5419768-$ or US-4180074-$ or US-6245045-$ or US-3384089-$ or US-5891111-$ or US-5989211-$ or US-5254084-$ or US-4925452-$ or US-4072153-$ or US-0340739-$ or US-4317452-$ or US-5429601-$).did. or (US-3142298-$ or US-2930378-$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 11:40

S116	2	"5002054".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/29 12:48
S117	87	("3572315" | "3981297" | "3983864" | "4221567" | "4265249" | "4402694" | "4560472" | "4633878").PN. OR ("5002054").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/28 10:02
S118	13	((AKIO) near2 (WAKABAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/28 13:35
S119	883	chest and drain with (tube lumen catheter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/04/28 14:05
S120	358	S119 and @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/04/28 14:06
S121	2771246	hole pore and S120	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/04/28 14:08
S122	1871	(chest heart) and drain with (tube lumen catheter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/04/28 14:10

S123	798	S122 and @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/04/28 14:10
S124	281	S123 S121	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/04/28 14:10
S125	177	S123 S121 close	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/04/28 14:11
S126	54	S123 S121 close with (tube or lumen or catheter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/04/28 14:11
S127	30	("4669463" | "4874377" | "4929235" | "4944732" | "4946449" | "4960412" | "4973311" | "5009636" | "5057084" | "5061255" | "5064416" | "5098405" | "5106054" | "5141499" | "5156597" | "5207655").PN. OR ("5484401").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/28 15:18

5/ 1/ 2010 8:00:14 AM

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